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~~77164~~

Access DB#

SEARCH REQUEST FORM

Scientific and Technical Information Center

(92)

Requester's Full Name PHUNG NGUYEN Examiner #: 77164 Date: 9-28-04
Art Unit: 2632 Phone Number (571) 272-2916 Serial Number: _____
~~Mail Box~~ Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

JEFF 2.D01
If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

litigation

6,320,511

STAFF USE ONLY

Searcher: KES
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Query/Command : prt max legalall

1 / 1 PLUSPAT - ©QUESTEL-ORBIT

PN -  US6320511 B1 20011120 [US6320511]
TI - (B1) Ice detector configuration for improved ice detection at near freezing conditions
PA - (B1) ROSEMOUNT AEROSPACE INC (US)
PA0 - Rosemount Aerospace Inc., Burnsville MN [US]
IN - (B1) OWENS DAVID G (US); CRONIN DENNIS J (US); JACKSON DARREN G (US)
AP - US72410100 20001128 [2000US-0724101]
PR - US72410100 20001128 [2000US-0724101]
IC - (B1) G08B-019/02
EC - B64D-015/20
G08B-019/02
PCL - ORIGINAL (O) : 340580000; CROSS-REFERENCE (X) : 073170170
340581000 340962000
DT - Basic
CT - US4054255; US4210021; US4333004; US4611492; US5003295; US5821862;
US5955887; US6010095; US6052056; US6196500
"Equilibrium Temperature of an Unheated Icing Surface as a Function of Air Speed", Messinger, B.L., J. Aeronaut. Sci., pp. 29-42, Jan. 1953.
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001
AB - An ice detector for an aircraft comprises a strut and probe assembly, and it is positioned on the aircraft so that the pressure field around the ice detector causes a lower temperature region on the probe assembly compared to the aircraft. Ice will therefore form on the probe assembly before it forms on the aircraft to provide an early warning of icing conditions near freezing temperatures.
UP - 2001-48

1 / 1 LGST - ©EPO

PN -  US6320511 B1 20011120 [US6320511]
AP - US72410100 20001128 [2000US-0724101]
ACT - 20001128 US/AS-A
ASSIGNMENT
OWNER: ROSEMOUNT AEROSPACE INC. 14300 JUDICIAL ROAD
BURNS; EFFECTIVE DATE: 20001128
ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNORS: CRONIN,
DENNIS J.; JACKSON, DARREN G.; OWENS, DAVID
G.; REEL/FRA: 011324/0005

20031230 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030910
UP - 2004-31

1 / 1 CRXX - ©CLAIMS/RRX

PN -  6,320,511 A 20011120 [US6320511]

PA - Rosemount Aerospace Inc

ACT - 20030910 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20031230

REISSUE REQUEST NUMBER: 10/659678

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2632

Reissue Patent Number:

Search statement 2

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6320511

<=2> Get Drawing Sheet 1 of 10

November 20, 2001

Ice detector configuration for improved ice detection at
near freezing conditions

REISSUE: September 10, 2003 - Reissue Application filed Ex. Gp.: 2632; Re. S.N.
10/659,678 (O.G. December 30, 2003)

APPL-NO: 724101 (09)

FILED-DATE: November 28, 2000

GRANTED-DATE: November 20, 2001

CORE TERMS: probe, ice, detector, aircraft, airfoil, strut, wing, cylindrical,
angle of attack, skin ...

LEXIS-NEXIS
Library: PATENT
File: ALL

6,320,511 OR 6320511

LEXIS-NEXIS
Library: PATENT
File: CASES

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File: CURNWS

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S1 1 PN=US 6320511
? t 1/39/1

1/39/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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17398810

Basic Patent (No,Kind,Date): US 6320511 BA 20011120 <No. of Patents: 002>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
FR 2817236	A1	20020531	FR 200115384	A	20011128
US 6320511	BA	20011120	US 724101	A	20001128 (BASIC)

Priority Data (No,Kind,Date):

US 724101 A 20001128

PATENT FAMILY:

FRANCE (FR)

Patent (No,Kind,Date): FR 2817236 A1 20020531

CONFIGURATION DE DETECTEUR DE GIVRE POUR AMELIORER LA DETECTION DE
GIVRE DANS DES CONDITIONS PROCHES DE LA TEMPERATURE DE CONGELATION
(French)

Patent Assignee: ROSEMOUNT AEROSPACE INC (US)

Author (Inventor): CRONIN DENNIS J; JACKSON DARREN G; OWENS DAVID

Priority (No,Kind,Date): US 724101 A 20001128

Applic (No,Kind,Date): FR 200115384 A 20011128

IPC: * B64D-015/20

Language of Document: French

FRANCE (FR)

Legal Status (No,Type,Date,Code,Text):

FR 200115384	AN	20020531	FR AGA	FIRST PUBLICATION OF APPLICATION (DELIVRANCE (PREM. PUB. DEMANDE DE BREVET))
FR 2817236	PN	20001128	FR AA	FR 2817236 A1 20020531 PRIORITY (PATENT) (PRIORITE (BREVET))
FR 2817236	PN	20011128	FR AE	US 724101 A 20001128 APPLICATION DATE (DATE DE LA DEMANDE)
			FR 200115384	A 20011128

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 6320511 BA 20011120

ICE DETECTOR CONFIGURATION FOR IMPROVED ICE DETECTION AT NEAR FREEZING
CONDITIONS (English)

Patent Assignee: ROSEMOUNT AEROSPACE INC (US)

Author (Inventor): CRONIN DENNIS J (US); JACKSON DARREN G (US);
OWENS DAVID G (US)

Priority (No,Kind,Date): US 724101 A 20001128

Applic (No,Kind,Date): US 724101 A 20001128

National Class: * 340580000; 340581000; 340962000; 073170170;
244134000

IPC: * G08B-019/02

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 6320511	P	20001128	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT))
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US 6320511 P US 724101 A 20001128
20001128 US AS ASSIGNMENT
DATE: 20001128 ; ROSEMOUNT AEROSPACE INC.
14300 JUDICIAL ROAD BURNS ; ASSIGNMENT OF
ASSIGNORS INTEREST;ASSIGNORS:CRONIN, DENNIS
J.;JACKSON, DARREN G.;OWENS, DAVID
G.;REEL/FRAME:011324/0005
US 6320511 P 20011120 US BA PATENT (NO PREVIOUS
PRE-GRANT PUBLICATION)
US 6320511 P 20031230 US RF REISSUE APPLICATION FILED
(REISSUE APPL. FILED)
DATE: 20030910